Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. P23690 Serial No. 10/646,724 OIPE				
IN	IFORMA	E	SY AF	PPLIC	CAN	r		MEN	т	:	Applicant Hiroshi NOMURA MAY 1 7 2004				
	(U 	se sev	eral s	heets	if ne	cess	ary)			Filing Date August 25, 2003					
									U.S. PATEN	VT [OCUMENTS		*		
EXAMINER INIT(AL			DOC	JME	NT N	IUM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
19	2004	/0	0	4	2	0	9	5	03/04/04	NO	MURA				
	2004	/0	0	4	2	0	9	3	03/04/04	NO	MURA				
()	2004	/0	0	6	2	5	3	6	04/01/04	NO	MURA				
NON	2004	/0	0	5	1	9	6	8	03/18/04	NO	MURA				
	2004	/0	0	5	-	9	7	0	03/18/04	NO	MURA				
The state of the s	2004	/0	0	6	2	5	3	7	04/01/04	NO	MURA				
	2004	/0	0	5	1	9	7	2	03/18/04	NO	MURA				
700	2004	/0	0	4	2	0	9	1	03/04/04	NO	MURA				
	2004	/0	0	4	2	0	8	9	03/04/04	NO	MURA				
10	2004	/0	6	5	1	9	7	1	03/18/04	NO	MURA				
	2004	/0	0	4	2	7	7	7	03/04/04	NO	MURA				
	2004	/0	0	4	2	7	7	8	03/04/04	NO	MURA				
	2004	/0	0	5	1	9	6	9	03/18/04	NO	MURA				
(D)	2004	/0	0	5	1	9	6	7	03/18/04	NO					
110	2004	/0	0	4	2	7	7	5	03/04/04	NO	MURA				
MAN	2004	/0	0	4	2	0	9	6	03/04/04	NO	MURA				
	2004	/0	0	4	2	0	9	0	03/04/04	NO	MURA				
	2004	/0	0	4	2	7	7	6	03/04/04	NO	MURA	-			
(2)	2004	/0	0	5	1	9	8	1	03/18/04	NO	MURA				
	2004	/0	0	4	2	0	9	2	03/04/04	NO	MURA				
		4	5	2	5	0	5	0	06/25/85	ОН	ASHI				
		4	6	4	3	5	5	5	02/17/87	WA	KABAYASHI				
		4	7	2	1	9	7	2	01/26/88	WA	KABAYASHI				
		4	7	9	2	8	2	2	12/20/88	ΑK	IYAMA et al.				
		5	8	ı	8	6	4	7	10/06/98	NIS	HIO et al.				
		6	0	3	1	9	9	8	02/29/00	SH	ОИО				
w		4	4	5	ı	1	2	9	05/29/84	IK	ARI et al.				
EXAMINER	D	·	Ġ	<u>,</u> _	ai	<u> </u>					DATE CONSIDERED	9/	2/04		
*EXAMINER: In Include copy of the	itial if cita	ition co	onside t com	red, w munic	hethe	r er k	ot cita	tion i	s in conformance	ce wi	th MPEP 609; Draw line	through citation	if not in conform	ance and not considered.	

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. Serial No. 10/646,724					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)											Applicant Hiroshi NOMURA					
	(U	se sev	eral s	heets	s if ne	cess	агу)				Filing Date Group August 25, 2003 2851					
									U.S. PATEN	TY	OCUMENTS		<u> </u>			
EXAMINER INIŢIAL	1 1										NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
B		4	6	4	3	5	5	4	02/17/87	OG	AWA					
		4	7	7	ī	3	0	3	09/13/88	MA	TSUMOTO et al.					
100		4	8	8	7	1	0	7	12/12/89	NA	KAMURA et al.					
WY.		5	1	3	6	3	2	4	08/04/92	TSI	JBOI et al.					
		5	7	6	5	0	4	9	06/09/98	НА	SE et al.					
(Q)		5	8	3	2	3	2	6	11/03/98	TA	NAKA			-		
		6	3	6	6	3	2	3	04/02/02	SH	ONO					
(42)		6	1	1	5	-	9	0	09/05/00	HIF						
18		6	0	6	4	5	3	3	05/16/00	KE	NIN et al.					
(D)	2003	/0	0	8	1	3	2	5	05/01/03	NO	MURA et al.			-		
(2)	2001	/0	0	2	4	5	7	3	09/27/01	NO	MURA et al.					
	2002	/0	1	3	5	9	0	0	09/26/02	NO	MURA et al.					
		6	0	7	5	6	5	5	06/13/00	FU	NAHASHI					
	2002	/0	1	3	5	9	0	1	09/26/02	NO	MURA et al.					
	2003	/0	0	8	1	3	2	7	05/01/03	NO	MURA et al.					
	2002	/0	1	3	5	8	9	6	09/26/03	NO	MURA et al.					
		6	0	5	5	1	1	6	04/25/00	NO	MURA et al.					
		6	2	0	4	9	7	7	03/20/01	ıw	ASA					
(25)		5	4	3	0	5	ı	6	07/04/95	UZ	IE et al.					
	2003	/0	0	8	1	9	4	8	05/01/03	NO	MURA et al.					
190	2001	/0	0	1	9	4	5	8	09/06/01	NO	MURA et al.					
		4	9	9	3	8	1	5	02/19/91	ΥA	MAZAKI et al.					
		5	7	3	1	9	1	3	03/24/98	IMA	ANARI	-				
ass		5	7	3	9	9	6	2	04/14/98	AS	AKURA et al.					
621	2003	/0	1	5	6	8	3	2	08/21/03	NO	MURA et al.					
		5	5	8	7	7	5	4	12/24/96	KA	TAYAMA et al.					
		6	0	5	2	5	3	5	04/18/00	UN	0					
EXAMINER	\sim	>	. (25	au	4					DATE CONSIDERED	9/2	-/09			
*EXAMINER: Ini Include copy of th	itial if cita is form w	tion co ith nex	nside: t com:	red, w munic	hethe ation	r or no	ot cita dican	tion is	s in conformanc	ce wi	th MPEP 609; Draw line	through citation	if not in conforma	nce and not considered.		

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. Serial No. 10/646,724					
11	NFORM	E	BY A	PPLI	CAN	T		MEN	IT	Applicant Hiroshi NOMURA						
(Use several sheets if necessary)											Filing Date Group August 25, 2003 2851					
				-					U.S. PATEN	NT E	OCUMENTS					
EXAMINER INITIAL DOCUMENT NUMBER DA											NAME	CLIDGL AGG	FILING DATE SUBCLASS IF APPROPRIATE			
(10)				Т	Г	П	П	Γ,		TO 1		CLASS	SUBCLASS	IF AFFRO	PRIATE	
		5	2	2	3	8	7	3	06/29/93		JBOI				 	
		5	0	8	6	3	-	2	02/04/92		NAKA et al.		4-14-1		,	
		5	4	9	9	1	4	3	03/12/96		KAMOTO et al.					
		6	0	6	9	7_	4	5	05/30/00	FU.	III et al.					
		6	3	2	4	0	1	9	11/27/01	TA	KANASHI et al.					
(82)		5	4	8	5	3	1	5	01/16/96	NO	MURA et al.					
								FC	REIGN PAT	TEN	T DOCUMENTS					
		DOCUMENT NUMBER									COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	58	-	1	4	5	9	3	0	08/31/83	JAPAN						
	61	-		6	9	0	0	2	04/09/86	JAPAN						
	61	-	2	7	0	7	3	7	12/01/86	JAP	'AN					
10	63	-	1	4	9	6	2	9	06/22/88	JAP	'AN					
1620		64	-	3	4	6	2	3	03/02/89	JAP	AN			х		
	-	6	•	ı	8	7	7	7	01/28/94	JAP	'AN			х		
	7		1	9	1	2	4	9	07/28/95	JAP	'AN				J	
192	11	-	1	0	9	2	0	3	04/23/99	JAP	'AN					
TO DE		58	-	1	0	7	0	8	01/21/83	JAP	AN					
		2	3	4	4	6	6	1	06/14/00	UN	ITED KINGDOM					
A		2	2	6	2	3	5	6	06/16/93	UN	ITED KINGDOM	-		-		
123	2003	-	2	0	7	7	0	9	07/25/03	JAP	AN	-				
		2	3	0	9	5	5	1	07/30/97	UN	ITED KINGDOM					
72		2	3	4	4	6	6	2	06/14/00	UN	ITED KINGDOM					
		2	2	6	1	2	9	8	05/12/93	UN	ITED KINGDOM					
(D)	2002		2	7	7	7	1	9		JAP	**					
							-									
EXAMINER		ユ			1/a	البا الايا	<u> </u>			T	DATE CONSIDERE	n 9	12/04	,		
	Initial if	citatio	ח כסיי			-	er or	not c	itation is in a	onfo					.	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												оппалсе				

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office											Atty. Docket No. Serial No. 10/646,724						
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)												Applicant Hiroshi NOMURA					
		(U	se sev	eral s	sheet	s if ne	≥cess	ary)				Filing Date Group August 25, 2003 2851					
								_		U.S. PATE	NT I	DOCUMENTS					
EXAMINER INITIAL			DOCUMENT NUMBER D							DATE		NAME	CLASS	SUBCLASS	FILING DATE SUBCLASS IF APPROPRIATE		
									FC)REIGN PA	TEN	IT DOCUMENTS					
			DO	DOCUMENT NUMBER DATE								COUNTRY	CLASS	SUBCLASS	TRANSI YES	LATION NO	
RS		10	-	2	8	2	3	9	4	10/23/98	JAI	PAN					
722	:	58	-	1	6	2	9	1	4	09/27/83	JAI	PAN					
110			0	6	3	4	6	8	0	01/18/95	E.P	2.0.					
XX			10	·	3	2	7	4	0	02/03/98	JAI	PAN			Х		
W		7	·	2	8	8	7	2	4	10/31/95	JAI	PAN			Х		
	L											-					
							L										
<u> </u>					OTI	HER	DOC	CUM	ENT	S (Including	z Aut	hor, Title, Date, Per	tinent Pages,	Etc.)			
(A)		1	Er	ıglisl	h La	ngua	age .	Abst	ract	of JP 58-1	070	8.					
W.		2	Er	English Language Abstract of JP 2003-207709.													
2		3	Er	English Language Abstract of JP 2002-277719.													
NON		4	Er	English Language Abstract of JP 10-282394.													
OF		5	Er	nglisl	h La	ngu	age .	—— Abst	ract	of JP 58-1	629	14.				<u> </u>	
			\vdash	<u> </u>		 -	<u> </u>										
			\vdash														
EXAMINER		6) ,	(70	ai	1				DATE CONSIDER	ED 9/	2/04			
*EXAMINER: and not conside	Initia	l if o	citatio	n cor	nside	red, v	vheth	efor	not c	itation is in c	confc	mance with MPEP 6	i09; Draw line	through citation	if not in conf	formance	